

The expression and subcellular localization of peripheral-type benzodiazepine receptors (PBR) is shown in this application to correlate with the metastatic potential of cells, and increased cell proliferation. Inhibition of PBR expression, function or stability results in a decrease in cell proliferation. Compositions and methods for regulating and/or monitoring PBR and its expression are useful for the detection, diagnosis, prognosis and treatment of solid tumors, in particular, breast cancer.